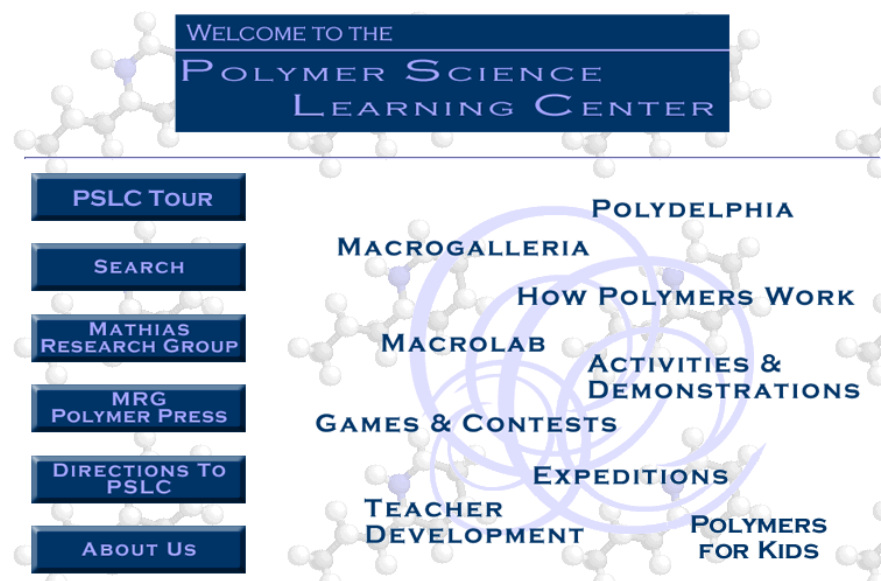


Polymer Science Learning Center

Lon J Mathias, Univ Southern Miss, DMR-9950760

The original grant supporting the extensive development of the multimedia education materials located at pslc.ws involved three years of funding for undergraduate materials for a one- or two-semester introductory course in polymers based on the *Macrogalleria*. This material is free on the web and is now one of the most widely used educational resources in polymers available world-wide.

A two-year creative extension award to was used to expand this project and to implement a site targeted at K-12 students. This site has recently been upgraded, many sections revised and new sections added to bring the level of instruction to that of elementary and middle school age children: pslc.ws/macrog/kidsmac



Index page of the PSLC website at pslc.ws.



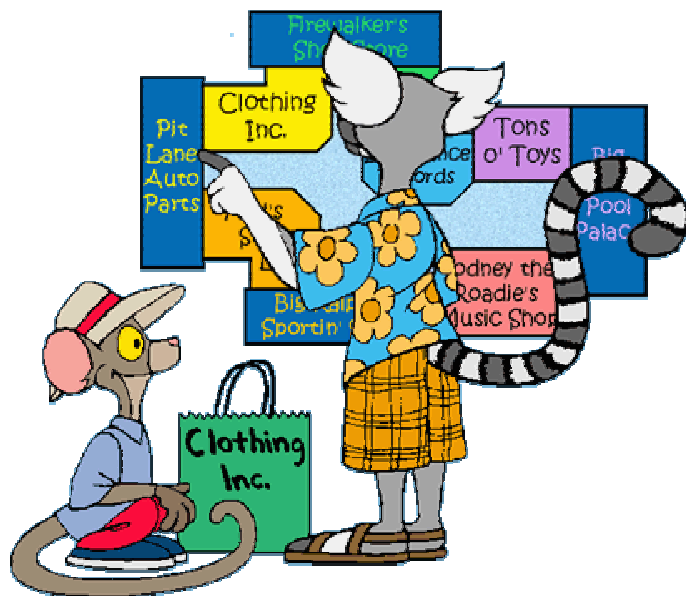
The "new and improved" version of the widely used polymer resource, the *Macrogalleria*.

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Education:

In the kids version of *Macrogalleria*, the PSLC mascot, Paul Lemur and his side-kick Monomer, provide visual reinforcement of the concepts and ideas being learned by the K-12 students. In addition to polymer information, many age-appropriate games and activities are presented including *Paul's Quest*.



Outreach:

Each summer, high school students and teachers are brought to the physical reality of the PSLC to learn first-hand what polymers are and how to include them in their courses. This year, three teachers worked together to develop a coatings module called *Protector Man*, found at: pslc.ws/ret2003.

